

#128



Woodward, W. H.

1882

Dec.

13

W. Elliot Woodward's

FIFTY-THIRD SALE.

THE

Stone Age

IN

America & Europe.

The Balston-Spang Collection.

New York, December 13, 1882.

PRIMITIVE INDUSTRY.

CATALOGUE

OF

Pre-Historic Stone Objects,

SELECTED FROM THE CABINETS OF

Prof. J. GRIER RALSTON

AND

Mr. NORMAN SPANG.

To be Sold by Auction,

By Messrs. BANGS & CO.

739 & 741 Broadway, New York City,

On WEDNESDAY, DECEMBER 13, 1882.

ON EXHIBITION MONDAY AND TUESDAY, DECEMBER 11 AND 12, AT TEN O'CLOCK, A.M.,
AND THE SALE WILL BEGIN AT THREE, P.M. ORDERS FOR THE SALE WILL
BE EXECUTED BY THE AUCTIONEERS AND BY ALL COIN DEALERS.

Catalogue by W. Elliot Woodward.

BOSTON:

T. R. MARVIN & SON, NUMISMATIC PRINTERS.

1882.

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CATALOGUE.



THE STONE AGE.

SPEAR HEADS AND ARROW POINTS.

THE following lots under this head are, as a general thing, perfect; occasionally one may be found with some slight imperfection, but all are fine; many are neatly mounted on cards, and such are designated by the word *card*. A large proportion of those in lots are from the Spang Collection; most of which are marked on the object itself with location and occasionally other particulars; the length is given in inches, disregarding fractions under $\frac{1}{4}$.

- 15 1 Spear Head, Leaf shaped, Mass.; *rare form*, fine. $4\frac{3}{4}$.
- " 2 Spear Head, Mo.; barbed, fine. $4\frac{1}{2}$.
- 10 3 Spear Head, Cooper Co., Mo.; elliptical, with thin, square base. $4\frac{1}{4}$.
- 17 4 Spear Head, Cooper Co., Mo.; leaf-shape, slightly curved, fine. $5\frac{3}{4}$.
- 15 5 Spear Head, with notched base, of reddish feldspar, Mo. $4\frac{3}{4}$.
- 30 6 Spear Head, shield-shape, barbed, Mo.; very fine. $2\frac{3}{4}$.
- 10 7 Spear Head, Mo.; narrow, point chipped; very fine. 4.
- 15 8 Spear Head, notched base, Mo.; very fine. 4.
- 10 9 Spear Head, Mo.; has stem with thin base; fine. $3\frac{1}{4}$.
- 30 10 Spear Head, Mo.; semi-elliptical, with stem; very fine and of superior workmanship. $3\frac{1}{2}$.
- 20 11 Spear Head, Mo.: serrated, beveled, rotary, hollowed base, with barbs of unequal length; a most remarkable form. $2\frac{3}{4}$.
- " 12 Spear Head, Mo.; notched, with rounded base. 3.
- 55 13 Spear Head, Mo.; the point drill-shape. $2\frac{1}{2}$.

- ~~15~~ 14 Spear Head, Mo.; sides nearly parallel, base thin. $3\frac{3}{4}$.
~~35~~ 15 Spear Head, Mo.; elliptical, hollowed base, finest workmanship. $2\frac{3}{4}$.
~~11~~ 16 Spear Head, Mo.; narrow and thick, with square base. $4\frac{1}{4}$.
~~10~~ 17 Spear Head, Mo.; serrated, with expanding base. $3\frac{1}{4}$.
~~15~~ 18 Spear Head, Mo.; curved, fine. $3\frac{1}{2}$.
~~20~~ 19 Spear Head, Mo.; nearly rhomboidal. $3\frac{3}{4} \times 2\frac{3}{4}$.
~~30~~ 20 Spear Head, Tenn.; shield-shape, barbed, barbs broken; fine. $3\frac{3}{4} \times 2$.
~~15~~ 21 Spear Head, Tenn.; judging from the form, this piece must have been not less than 12 or 14 in. in length, broken square across; as a fragment very fine. $6\frac{3}{4} \times 2$.
~~1~~ 22 Spear Point, Tenn.; leaf-shape; fine. 5.
~~20~~ 23 Spear Head, Tenn.; finely serrated, with sides nearly parallel, with barbs and stem. $2\frac{1}{2}$.
~~60~~ 24 Bunt, Mo.; large and very fine. $2 \times 1\frac{3}{4}$.
~~50~~ 25 Spear Head or Knife of brown jasper, N. Y. $6\frac{1}{4} \times 2$.
~~10~~ 26 Spear Head, N. C.; ferruginous quartz. $2\frac{3}{4} \times 2$.
~~1~~ 27 Spear Head, N. C.; quartz. $3\frac{1}{2} \times 2$.
~~42~~ 28 Spear Head, Iredell Co., N. C.; notched, fine. $4\frac{1}{2}$.
~~10~~ 29 Spear Head, N. C.; quartz; fine. $3\frac{3}{4}$.
~~32~~ 30 Spear Head, N. C.; unsymmetrical. $2\frac{1}{4}$.
~~10~~ 31 Spear Head, Pa.; base triangular; fine. $4\frac{1}{4}$.
~~12~~ 32 Spear Head, Pa.; of milky quartz; unusual size for this material. $3\frac{1}{2} \times 1\frac{3}{4}$.
~~50~~ 33 Spear Head, notched, with rounded smooth base, O.; perfect. $3\frac{3}{4}$.
~~10~~ 34 Spear Head, Pa.; triangular base. $4\frac{1}{4}$.
~~1~~ 35 Spear Head, Pa.; nearly triangular. 4.
~~20~~ 36 Spear Head, Pa.; base contracted and thin. $4\frac{1}{2}$.
~~45~~ 37 Fish Spear, notched, with thin base, Meade Co., Ky.; fine. $2\frac{3}{4}$.
~~35~~ 38 Fish Spear, Ky.; very fine. $3\frac{1}{2}$.
~~10~~ 39 Spear Head, Ky.; notched, with broad base; fine. 3.
~~1~~ 40 Spear Head, Ky.; narrow, notched and serrated. $3\frac{1}{4}$.
~~1~~ 41 Spear Head, Ky.; elliptical, fine. $2\frac{3}{4}$.
~~15~~ 42 Spear Head, Ill.; narrow, with square base. $4\frac{3}{4}$.
~~1~~ 43 Spear Head, Kansas; elliptical, with square base; fine. $3\frac{1}{2}$.
~~25~~ 44 Arrow Point, Ill.; thick, beveled, serrated, barbed, with broad rounded base; fine, and a very rare form. $1\frac{3}{4}$.

- 30 45 Arrow Point, Ill.; almost a duplicate of the last, but a trifle smaller. $1\frac{1}{2}$.
- 10 46 Spear Head, Mo.; originally very large; fine as a fragment. $4\frac{3}{4} \times 2$.
- 4 47 Spear Head; hollow base; fine. 3 in.
- 5 48 Spear Head, Mo.; barbed; fine. 5.
- 15 49 Spear Head, O.; fine. $4\frac{1}{2}$.
- 5 50 Spear Points, mostly of good size and quality; various locations marked on the objects. 12 pieces.
- 3 51 Spear Heads, similar lot. 10 pieces.
- 4 52 Spear Heads, various localities; equally good. 10 pcs.
- 4 53 Spear and Arrow Heads; quality like the last. 12 pcs.
- 4 54 Spear Heads, various localities; large size. 8 pcs.
- 4 55 Spear and Arrow Points, various locations; finer lot than the last. 16 pcs.
- 4 56 Another lot; fine. 12 pieces.
- 4 57 Another lot; same quality, many localities. 18 pieces.
- 4 58 Another lot; fine. 15 pieces.
- 4 59 Arrow Points, Montgomery Co., Pa., some of uncommon form; fine; card. 16 pieces.
- 22 60 Spear Heads and Fish Spears, Miss.; all perfect; card. 11 pieces.
- 12 61 Arrow and Spear Points, Chester Co., Pa.; all fine; an uncommon lot; card. 9 pieces.
- 5 62 Spear Heads and Arrow Points, Ga.; all very fine. 19 ps.
- 4 63 Spear Heads, Miss.; a very superior lot, of medium size; card. 16 pieces.
- 4 64 Arrow and Spear Points, Chester Co., Pa.; variety in form; perfect; a selected lot; card. 6 pieces.
- 4 65 Spear Points from different States, mostly Southern; all fine; card. 11 pieces.
- 4 66 Arrow Points, Montgomery Co., Pa.; jasper, quartz, etc.; all fine; card. 16 pieces.
- 4 67 Arrow Points, Montgomery Co., Pa.; all fine, some of great antiquity; card. 16 pieces.
- 10 68 Spear Points and Arrow Heads, Miss.; mostly of large size, one of chalcedony; a very fine lot; card. 11 pcs.
- 7 69 Spear Heads and Arrow Points, Pa.; thin base, barbed, etc.; fine lot; card. 5 pieces.
- 6 70 Spear Heads and Arrow Points, Montgomery Co., Pa.; one broad point of white quartz is of remarkable form; all fine; card. 12 pieces.

- 71 Arrow Points, near Norristown, Pa.; large size; fine lot; card. 20 pieces.
 72 Spear Heads and Arrow Points, Miss.; fine; card. 19 ps.
 73 Spear Heads, near Natchez, Miss.; very fine; card. 3 ps.
 74 Arrow Points, Montgomery Co., Pa.; all fine; card. 8 ps.
 75 Arrow Points, Western, but of unknown locality; all are of very fine form, one perfectly elliptical; a *most rare form*; card. 10 pieces.
 76 Spear Heads and Arrow Points, Tenn.; fine lot; card. 15 pieces.
 77 Spear and Arrow Points, Western; *rare* lot and fine; card. 5 pieces.
 78 Spear and Arrow Points, Western; remarkable forms, all fine; card. 8 pieces.
 79 Spear and Arrow Points, Western; a superb lot; card. 16 pieces.

The following nineteen lots are from Eastern and Central Ohio: nearly all were found within a moderate distance of Massillon.

- 80 Arrow Heads and Spear Points; extra fine lot; several *rare forms*; card. 23 pieces.
 81 Spear Points; very fine lot, average more than 3 inches; card. 13 pieces.
 82 Arrow Points, with a few Bunts; nearly all are perfect and of very pretty material; a very desirable lot; card. 47 pieces.
 83 Arrow and Spear Points; all of black material and very fine; several *rare forms*; card. 33 pieces.
 84 Similar lot in material, one with nearly parallel sides and triangular point; card. 26 pieces.
 85 Spear Points; average, large size; a very fine lot. 12 pcs.
 86 Spear Points and Knives; large and fine, many very broad; an extra lot; card. 23 pieces.
 87 Spear Heads, Arrow Points and Knives, and one Drill; very superior lot; card. 61 pieces.
 88 Spear Heads and Arrow Points; one of the former broad and extra fine; superior lot; card. 27 pieces.
 89 Knives and Spear Heads; all fine. 7 pieces.
 90 Similar lot; fine. 6 pieces.
 91 Spear Heads and Arrow Points; very good lot; card. 36 pieces.
 92 Spear Heads, Arrow Points and Fish Spears; a *rare lot*; fine; card. 23 pieces.

- ~~7~~ 93 Large Knives and Spear Heads; all fine; card. 6 pcs.
~~3~~ 94 Spear Heads and Arrow Points; all fine; card. 29 pcs.
 95 Spear Heads, Arrow Points and Knives; one finely beveled, another serrated; a desirable lot; card. 35 ps.
~~2~~ 96 Spear Heads and Arrow Points; one *extremely rare* form; all good; card. 55 pcs.
~~13~~ 97 Large Spear Heads and Knives; three of the former are beauties; all are fine; card. 16 pieces.
~~30~~ 98 Spear Heads; the best lot in the sale; all of large size and nearly every one is very fine. 24 pieces.

CELTS.

As usual, I have called by this name all of those objects which collectors designate as Ungrooved Axes, Tomahawks, Chisels, Fleshers, Skinners, Peelers, etc. Nearly all of the following are selections from the Spang Collection, and many of them are of the best.

- ~~10~~ 99 Celt, Macon Co., N. C. $4\frac{1}{2} \times 2$.
~~15~~ 100 Celt, Meade Co., Ky.; fine. 4×2 .
~~20~~ 101 Celt, Rhea Co., Tenn.; top nearly pointed; a rather uncommon form; a fracture has been mended, still very fine. $6\frac{1}{2} \times 2\frac{3}{4}$.
 " 102 Celt, Swaine Co.; N. C.; fine. $5\frac{1}{2} \times 3$.
~~25~~ 103 Celt, Madison Co., N. Y.; in form a flattened cylinder with nearly parallel sides; *rare in form and for locality* fine. $9\frac{3}{4} \times 2\frac{1}{2}$.
~~45~~ 104 Celt, Dawson Co., Ga.; perfect. $6\frac{1}{2} \times 2\frac{1}{2}$.
~~25~~ 105 Celt, Macon Co., N. C.; slightly chipped, but fine. $3\frac{3}{4} \times 2\frac{1}{4}$.
~~1.10~~ 106 Celt, from a mound one and a half miles south of Clement, Clinton Co., Ill.; of fine grained granite, polished; very fine, and interesting as a well authenticated mound relic. $7 \times 2\frac{3}{4}$.
~~15~~ 107 Celt, Rowena, Ky.; slate, rude workmanship. $6\frac{1}{2} \times 2\frac{1}{4}$.
~~35~~ 108 Celt, Clay Co., N. C.; short and broad, uncommon form; very fine. $3\frac{1}{2} \times 2\frac{1}{2}$.
~~12~~ 109 Celt, Clay Co., N. C.; reddish slate, looks like hematite; edge chipped. $2\frac{1}{2} \times 1\frac{1}{2}$.
~~15~~ 110 Celt, Martin Co., Ky.; granite, nearly round. $3\frac{1}{2} \times 1\frac{3}{4}$.
 " 111 Celt, Lawrence Co., Ind.; granite; fine. 5×2 .

- 35 112 Celt, Madison Co., N. Y.; one side flat, the other rounded; fine. $3\frac{1}{2} \times 2$.
 10 113 Celt, Swaine Co., N. C.; approaches the West Indian form; edge a little chipped; fine. $4\frac{1}{2} \times 1\frac{3}{4}$.
 20 114 Celt, Meade Co., Ky.; granite, round; fine. $3\frac{1}{4} \times 1\frac{3}{4}$.
 15 115 Celt, Swaine Co., N. C.; oblong; shows marks of use with a hammer; fine. $3\frac{1}{4} \times 2\frac{1}{4}$.
 " 116 Celt, Oneida Co., N. Y.; fine. $3\frac{1}{2} \times 2$.
 " 117 Celt, Martin Co., Ky.; oval; very fine. $3\frac{3}{4} \times 2$.
 45 118 Celt, Oneida Co., N. Y.; top shows marks of use; fine. $3\frac{1}{4} \times 2$.
 20 119 Celt, Oneida Co., N. Y.; top nearly pointed. $5\frac{1}{2} \times 2\frac{1}{4}$.
 15 120 Celt, Medina Co., N. Y.; one side curved, edge broken; unusual form. $4\frac{3}{4} \times 2\frac{1}{2}$.
 40 121 Celt, Madison Co., N. Y.; of light sandstone; this object is doubtless ancient, though its regular outlines and fine workmanship suggest the possibility that it is modern; perfect. $6\frac{1}{2} \times 2\frac{1}{2}$.
 30 122 Celt, Cooper Co., N. C.; dark granite, polished; edge blunted, and top shows signs of use; very fine. $6\frac{1}{2} \times 3$.
 20 123 Celt, N. Y.; fine. $4\frac{1}{4} \times 2$.
 10 124 Celt, N. C.; rude work, perfect. $3\frac{3}{4} \times 2$.
 150 125 Celt, Tenn., River Bottom, Rhea Co., Tenn.; granite, pecked over the entire surface; fine, and of great antiquity; remarkable specimen. $10 \times 3\frac{1}{2}$.
 1. — 126 Celt, Cumberland Co., Ky.; polished: material greenish metamorphic slate; in form and workmanship resembling Carib work; perfect and a rare example. $8 \times 2\frac{1}{2}$.
 35 127 Celt, Clay Co., N. C.; light, grayish stone; very fine. $4\frac{1}{2} \times 2\frac{1}{2}$.
 20 128 Celt, Martin Co., Ky.; appears to be diorite; perfect; fine. $5 \times 2\frac{1}{2}$.
 25 129 Celt, Ky.; oblong; has been used with a hammer; fine. $4 \times 2\frac{1}{4}$.
 20 130 Celt, Obeyes River, Tenn.; slender, polished; edge nicked; fine. $4 \times 1\frac{1}{2}$.
 25 131 Celt, Clay Co., N. C.; one side flat; very fine. $4\frac{3}{4} \times 1\frac{3}{4}$.
 20 132 Portion of a Celt; Alleghany Co., Pa.; of the very finest workmanship, of a class seldom seen on Eastern implements. $4 \times 2\frac{1}{2}$.
 10 133 Celt, Lincoln Co., Tenn.; fine. $3\frac{1}{2} \times 1\frac{3}{4}$.
 20 Celt, Cumberland Co., Ky.; granite; fine. $4\frac{1}{2} \times 2\frac{1}{4}$.

- 50 135 Celt, Mo.; dark stone; resembles hematite; round, the body pecked, edge polished; very fine. $4\frac{1}{4} \times 2\frac{1}{2}$.
 20 136 Celt, Meade Co., Ky.; fine. $3\frac{3}{4} \times 2$.
 " 137 Celt, Indiana Co., Pa.; appears to be of iron ore; good. $3\frac{3}{4} \times 2\frac{1}{2}$.
 10 138 Celt, Cumberland Co., Ky.; fine. $3\frac{3}{4} \times 1\frac{3}{4}$.
 " 139 Celt, Lawrence Co., Ind.; granite; a trifle injured, otherwise fine. $4\frac{1}{2} \times 2\frac{1}{2}$.
 10 140 Celt, Alleghany Co., Pa.; odd form; fine. $3\frac{3}{4} \times 1\frac{3}{4}$.
 2, - 141 Celt, from Tenn. River Bottom, Rhea Co., Tenn. This Celt is of most remarkable form; the edge $4\frac{1}{2}$ inches broad and the sides nearly parallel for four inches; from that part contracting towards the head in a form most convenient for a handle, the surface curving inward; fine, nearly perfect. $9 \times 4\frac{1}{2}$.
 10 142 Celt, Martin Co., Ky.; granite; fine, and very ancient. $4 \times 2\frac{1}{2}$.
 20 143 Celt, Lorenz Co., Ga.; fine. $5 \times 2\frac{1}{4}$.
 " 144 Celt, Western Pa.; top nearly pointed; fine. $3\frac{1}{2} \times 1\frac{1}{2}$.
 10 145 Celt, Tenn., edge nicked, top pointed. $3\frac{3}{4} \times 2$.
 " 146 Celt, N. C.; green stone. $3\frac{1}{4} \times 1\frac{3}{4}$.
 25 147 Celt, Clay Co., N. C.; very fine. 3×2 .
 30 148 Celt, Swaine Co., N. C.; fine. 4×2 .
 10 149 Celt, Brig Island, Tenn. River; very good. $3 \times 1\frac{3}{4}$.
 20 150 Celt, curved and with groove, Rhea Co., Tenn.; *rare form*. $6\frac{1}{2} \times 2$.
 5 151 Celt, Rhea Co., Tenn. $2\frac{1}{2} \times 1\frac{1}{2}$.
 20 152 Celt, Oneida Co., N. Y.; fine. $4\frac{3}{4} \times 2\frac{1}{4}$.
 25 153 Celt, Tenn.; cutting edge at both ends; the top narrowed; *rare form*. $3\frac{3}{4} \times 1\frac{1}{2}$.
 15 154 Celt, Alleghany Co., Pa. $3\frac{3}{4} \times 2\frac{1}{2}$.
 25 155 Celt, Brig Island, Tenn.; a long, slim, flattened cylinder; the whole surface pecked; *rare form*. $5\frac{1}{4} \times 1\frac{1}{8}$.
 10 156 Celt, Swaine Co., N. C. $3\frac{1}{4} \times 1\frac{3}{4}$.
 20 157 Celt, N. C.; small, fine. $2\frac{1}{2} \times 1$.
 70 158 Celt, Lorenz Co., Ga.; very good. $6\frac{1}{4} \times 2\frac{1}{2}$.
 10 159 Celt, Clay Co., N. C. $3\frac{1}{4} \times 1\frac{3}{4}$.
 35 160 Celt of dark stone, Oneida Co., N.Y.; very fine, *rare*. $3\frac{3}{4} \times 2$.
 10 161 Celt, Lincoln Co., Tenn.; rude, but nearly perfect. $4\frac{3}{4} \times 2$.
 25 162 Celt, Swaine Co., N.C.; fine. 5×2 .

- 1.10* 163 Celt, Martin Co., Ky.; dark granite; polished, perfect; such examples are rare. $7\frac{1}{2} \times 2\frac{3}{4}$.
95 164 Celt, Blount Co., Ala.; the top chipped by use; very fine. $8 \times 2\frac{1}{2}$.
8 165 Celt, Macon Co., N.C., oval. $3\frac{1}{4} \times 2\frac{1}{2}$.
20 166 Celt, Macon Co., N. C.; of light, sharp grained sandstone; symmetrical and very fine. $5\frac{3}{4} \times 2\frac{1}{2}$.
 " 167 Celt, Boonsboro', Washington Co., Ark.; round top, nearly pointed; very good. $8\frac{1}{2} \times 2$.
1.10 168 Celt; Iredell Co., N. C.; washed from an Indian grave by a freshet in the Catawba River; nearly as fine as No. 163. $6\frac{3}{4} \times 2\frac{1}{2}$.
60 169 Celt, Madison Co., N. Y.; oblong, very fine. $4\frac{1}{2} \times 2\frac{1}{2}$.
70 170 Celt, Rhea Co., Tenn.; fine. $6\frac{1}{4} \times 2\frac{1}{2}$.
1.45 171 Celt, Iredell Co., N. C.; washed out with human bones from a grave; perfect. $5\frac{1}{2} \times 2\frac{1}{4}$.

GROOVED AXES, GOUGES AND ADZES.

- 50* 172 Grooved Axe, Pa.; with longitudinal groove at one side; good. $4\frac{1}{2} \times 3$.
1.60 173 Grooved Axe, Mich.; very good. $6\frac{1}{2} \times 3\frac{1}{4}$.
50 174 Grooved Axe, Mich.; originally remarkably fine, but one side and the edge now badly broken. $6\frac{1}{2} \times 3\frac{1}{2}$.
30 175 Grooved Axe, Macon Co., N. C.; nearly square; edge concave. $3\frac{1}{2} \times 3\frac{1}{4}$.
50 176 Grooved Axe, Pa.; very good. $4\frac{1}{2} \times 3$.
15 177 Grooved Axe, Mo.; originally of the finest description, and though edge and flat are broken, still desirable. $5\frac{1}{4} \times 3\frac{1}{2}$.
25 178 Grooved Axe, Pa.; curved; a singular form; good. $5\frac{3}{4} \times 3$.
50 179 Grooved Axe, O.; good. $5\frac{1}{4} \times 3\frac{3}{4}$.
 " 180 Grooved Axe, Pa.; sandstone; irregular in form; fine. $6\frac{1}{2} \times 3\frac{1}{4}$.
50 181 Grooved Axe, Pa.; of most uncommon form; fine. $6\frac{1}{2} \times 3\frac{1}{2}$.
1.70 182 Grooved Axe, Clay Co., N. C.; flat and thin; granite; fine. $6\frac{1}{4} \times 4\frac{1}{2}$.
35 183 Grooved Axe, Pa.; granite; head a little broken, still fine. $4\frac{3}{4} \times 2\frac{1}{2}$.

- 50 184 Grooved Axe. N. C.; groove near the top; fine; *rare form*. $4\frac{1}{4} \times 2\frac{3}{4}$.
 140 185 Grooved Axe, Mich.; groove and head diagonal to the edge; head much expanded; a *rare form* and fine. $4\frac{1}{2} \times 2\frac{1}{2}$.
 40 186 Grooved Axe, Habersham Co., Ga.; very good. $4 \times 3\frac{1}{4}$.
 50 187 Grooved Axe, Pa.; groove near the top. $6\frac{1}{4} \times 3$.
 25 188 Grooved Axe, Pa.; small size; good. $3\frac{1}{2} \times 2\frac{3}{4}$.
 189 Grooved Axe, Pa. $5 \times 2\frac{1}{2}$.
 40 190 Grooved Axe, Swaine Co., N. C.; dark bluish stone; fine. $7\frac{1}{4} \times 4$.
 35 191 Grooved Axe, locality unknown; good. $6 \times 3\frac{1}{4}$.
 " 192 Grooved Axe, Mich.; fine; a scarce form. $5\frac{3}{4} \times 2\frac{3}{4}$.
 45 193 Grooved Axe, Pa.; groove near the top; a little fracture of the edge shows the great change that exposure makes in the material of these objects; but for the fracture mentioned, very fine. $5\frac{3}{4} \times 3\frac{1}{2}$.
 75 194 Grooved Axe, O.; fine. $8 \times 4\frac{1}{2}$.
 70 195 Grooved Axe, Clay Co., N. C.; damaged by several breaks, but originally a most remarkable implement; the head much contracted, the groove broad and deep, with a ridge below the blade; first contracting and then expanding towards the edge; I have never met with an axe of the same form; still fine enough to be very desirable in any collection. $8\frac{1}{2} \times 5\frac{1}{2}$.
 35 196 Grooved Axe, Pa.; sand-stone; very good. $6 \times 3\frac{1}{2}$.
 40 197 Grooved Axe, unknown locality; reddish granite; good. $3\frac{3}{4} \times 3\frac{1}{4}$.
 45 198 Grooved Axe, Western, but location unknown; head expanding, edge contracting and a little chipped, still fine. $4\frac{3}{4} \times 3\frac{1}{4}$.
 V. — 199 Grooved Axe, from earthworks in O.; diorite, beautifully made; polished and perfect; one of the finest that I have ever seen. $3\frac{1}{2} \times 2\frac{1}{2}$.
 45 200 Grooved Axe, Pa.; fine. 3×2 .
 25 201 Grooved Axe, Pa.; rude but good. 4×2 .
 10 202 Grooved Axe, Ky.; granite, of fine workmanship; bit broken off. $4\frac{1}{2} \times 2\frac{1}{2}$.
 " 203 Grooved Axe, Ky.; granite; a fragment showing the finest work. $4\frac{1}{2} \times 3\frac{1}{2}$.
 25 204 Grooved Axe, O.; only a portion, but the work is the same quality as 199. $3\frac{1}{2} \times 2\frac{1}{2}$.
 20 205 Grooved Axe, Pa.; imperfect, but a *rare* implement; originally fine. $4\frac{3}{4} \times 1\frac{1}{2}$.

- 206 Grooved Gouge Adze, Conn.; good, a *rare* implement.
 $4\frac{1}{2} \times 1\frac{3}{4}$.
 207 Gouge, Madison Co., N. C.; good, *rare*. $4\frac{1}{4} \times 2\frac{1}{4}$.
 208 Grooved Gouge Adze, Conn.; fine, *rare*. $4\frac{3}{4} \times 1\frac{3}{4}$.

ORNAMENTS AND PERFORATED OBJECTS.

In describing the following pieces, I have adhered to the commonly accepted nomenclature, calling those objects with two perforations equidistant from the centre, gorgets; those with one perforation usually nearer to the smaller end, pendants; those with two diagonal perforations, fitting them to be fastened upon the head, amulets; and the symmetrical objects with one large perforation through the middle, banner stones, etc. I think that on the whole no finer collection of these ornaments, etc., has ever been offered for sale at auction, the Jenison collection possibly excepted.

- 209 Gorget, Fulton Co., O.; elliptical, with the ends truncated; two perforations, half an inch apart; lower side flat, upper convex; slate; fine and *very rare*.
 $4 \times 1\frac{1}{2}$.
 210 Gorget, Stark Co., O.; oblong, a little expanding in the middle, and the ends slightly rounded; two perforations, $1\frac{3}{4}$ inches apart, purple-striped slate; as fine an object of the kind as can be met with; perfect and *very rare*. $5\frac{3}{4} \times 2\frac{1}{2}$.
 211 Gorget, Stark Co., O.; oblong; bottom slightly concave, top curved, thickest in the middle, two perforations; metamorphic slate; perfect and a *rare form*. $4\frac{3}{4} \times 1\frac{1}{8}$.
 212 Gorget, Mich., in form intermediate between Nos. 209 and 210; ribbon slate; very fine. $3\frac{1}{8} \times 1\frac{1}{2}$.
 213 Gorget, O.; originally very fine, but broken across at one perforation; original length $7\frac{3}{4}$ in., now $5\frac{1}{4} \times 2\frac{1}{4}$.
 214 Gorget, Allen Co., Ind.; rude but good. $3\frac{1}{2} \times 1\frac{3}{4}$.
 215 Pendant, Fulton Co., O.; expanding near the bottom; large perforation; ribbon slate; very fine.
 216 Pendant, Seneca Co., O.; narrow at the top; bottom curving inward; large perforation, of beautiful workmanship; handsome, striped slate; perfect and *rare*.
 $4\frac{1}{2} \times 2\frac{1}{2}$.
 217 Pendant, Haysville, O.; in form similar to the last; the perforation is of unusual size, diameter nearly $\frac{3}{4}$ inch; ribbon slate, with the face of the implement parallel to the grain; very fine. $3\frac{1}{4} \times 2\frac{1}{8}$.

- 60 218 Pendant, Henry Co., O.; ribbon slate, narrows towards the top; thick, sides convex; a second perforation commenced on one side; this is presumed to be a modern improvement; very fine. $4\frac{1}{4} \times 2\frac{1}{2}$.
- 1.50 219 Pendant, Haysville, O.; sides curved, top narrow, perforation nearer to one side; ribbon slate; perfect. $4\frac{1}{2} \times 2\frac{1}{4}$.
- 60 220 Pendant, Seneca Co., O.; form like the last, perforation nearer to the broad end; slate; very fine. $4\frac{1}{8} \times 2\frac{1}{8}$.
- 30 221 Pendant, Allen Co., O.; oblong, with curved sides and convex flats; perforation in the centre; purple slate. $4 \times 1\frac{7}{8}$.
- 25 222 Pendant, Allen Co., Ind.; slate. $4 \times 1\frac{3}{4}$.
- 30 223 Pendant, Allen Co., Ind.; form like 209; purple slate. $4\frac{1}{2} \times 2$.
- 35 224 Pendant, Henry Co., O.; oblong, with one end slightly narrowed; green slate; perfect, *rare form*. 4×2 .
- 1.80 225 Pendant, Stark Co., O.; form like the last and equally fine; perforation near the end; purple slate. $3\frac{3}{8} \times 1\frac{3}{8}$.
- 1.50 226 Pendant, Stark Co., O.; oblong; contracted towards the top; green slate. $4\frac{1}{4} \times 1\frac{3}{4}$.
- 60 227 Pendant, Stark Co., O.; narrower at the top, with sides curving inward; purple slate; very fine. 4×2 .
- " 228 Pendant, Stark Co., O.; oblong; flats convex; purple slate. $3\frac{1}{8} \times 1\frac{3}{8}$.
- " 229 Pendant, Stark Co., O.; top and bottom a little oblique to the sides; dark slate; a *rare form*, perfect. $3\frac{1}{4} \times 1\frac{3}{4}$.
- 1.55 230 Pendant, Stark Co., O.; considerably narrowed at the top, the sides curved; a pretty form; striped slate, wrought across the grain; very fine, *rare*. $4\frac{1}{8} \times 1\frac{7}{8}$.
1. — 231 Pendant, Stark Co., O.; oblong; sides nearly parallel; a slight but sharp expansion at the sides near the bottom; perfect; a *rare form*. $4\frac{1}{4} \times 1\frac{3}{8}$.
- 60 232 Pendant, Seneca Co., O.; sides curving inward; green metamorphic slate; perfect; *rare form*. $4\frac{1}{4} \times 2\frac{1}{8}$.
- 35 233 Pendant, Allen Co., Ind.; twisted; an odd peculiarity in form; perfect. $3\frac{1}{2} \times 1\frac{3}{4}$.
- 76 234 Pendant, Seneca Co., O.; oblong, with slightly curved sides and ends; green metamorphic slate; perfect. $3 \times 1\frac{3}{4}$.
- 75 235 Pendant, Henry Co., O.; oblong; square ends and sides; bluish slate; perfect. $3\frac{3}{4} \times 1\frac{7}{8}$.
- 55 236 Pendant, Fulton Co., O.; oblong, contracting towards the top; greenish slate; very fine. $3\frac{7}{8} \times 2$.

- 1.80 237 Pendant, Seneca Co., O.; this piece has the addition of a diagonal hole drilled near the bottom; the material appears to be jasper; fine and *very rare*. $3\frac{3}{8} \times 1\frac{1}{2}$.
- 60 238 Pendant, Henry Co., O.; sides curving inward, ends expanding and rounding; hole a little above the centre; ribbon slate; perfect. $4\frac{1}{4} \times 1\frac{7}{8}$.
- f. 239 Pendant, Fulton Co., O.; sides curving inward, ends slightly rounded; slate, perfect; *rare form*. $4 \times 1\frac{1}{2}$.
- 1.80 240 Ornament, coffin-shape, Fulton Co., O.; striped slate; fine. $4\frac{3}{8} \times 1\frac{5}{8}$.
- 95 241 Pendant or Ornament, Seneca Co.; this object which is in form an irregular pentagon, with two sides curved, has three perforations on the central line, two near the narrow end, and one more distant from the opposite end; ribbon slate; very fine, and of unique form. $4\frac{1}{2} \times 2\frac{1}{2}$.
7. 242 Bird Amulet, Hicksville Township, Defiance Co., O.; the body triangular, slightly convex at the bottom, the tail much spread and rounded, the head elongated, with prominent eyes; has the characteristic diagonal perforations; material metamorphic slate; highly finished and absolutely perfect; one of the finest objects of this class that has ever been discovered; *excessively rare*. length $5\frac{1}{2}$, height 2.
5. 243 Bird Amulet, O.; in general form resembling the last, but the head is without eyes, and curves downward; the tail is less expanded, and the body is shorter; metamorphic slate; though less elegant it is about as perfect as the last, and equally *rare*. $4\frac{3}{4} \times 1\frac{3}{4}$.
- " 244 Amulet, O.; unlike any that I have ever met with; the body is triangular, nearly twice as high as the breadth of the base, the back slightly curving inward, the head resembles rather a quadruped than a bird; the eyes are large and prominent, and the mouth well defined; the material a drab colored stone, and the workmanship of the finest description; *most rare*; *this particular form is perhaps unique*. $4\frac{1}{2} \times 1\frac{1}{2}$.
- 2.50 245 Amulet, Hancock Co., O.; in form a flattened cylinder expanding from the ends towards, and flattened at the bottom; the two perforations connected by a longitudinal groove; perfect, and as *rare a form as the three preceding*. $3\frac{3}{4} \times 1\frac{1}{8}$.
- 2.75 246 Amulet, Defiance Co., O.; in form like the last but expands at the ends, and the bottom lacks the groove; purple slate, fine and *extremely rare*.

- 250 247 Amulet, Seneca Co., O.; in general form like the two preceding,—that is, a flattened cylinder; this example is largely expanded at one end thence contracting for a short distance it begins to expand; it reaches its greatest height $\frac{3}{4}$ in. from the opposite extremity, thence falls off to the end; slate, fine and *excessively rare*. 4×1 .
- 250 248 Amulet, Allen Co., Ind.; semi-cylindrical with bottom hollowed; expanded at the end and again towards the middle; one end broken off; the finest of workmanship, and its great rarity makes even this fragment desirable. $4\frac{3}{4} \times \frac{3}{4}$.
- 250 249 Carving from a mound in northwestern Ga.; a figure of a man with physiognomy unmistakably Indian; with the exception of his head-gear the costume of this Indian reminds one of the uniform of the Georgia Major, who, when in full dress, wore only a dickey and a pair of spurs: this man is entirely naked with the exception of a helmet. Though the artist did not strictly adhere to nature, and though the figure is far from perfect regarded from an anatomical view, it is yet a wonderful piece of work. It was purchased by the present owner for \$40, and it is certainly a *most rare and remarkable object*; it is full length and in height $5\frac{1}{2}$ in.
- 250 250 Tube, Stark Co., O.; cylindrical, flattened; striped slate, highly polished and perfect with the exception of a chip from one end; *rare*. $4\frac{7}{8} \times 1\frac{1}{4}$.
- 250 251 Tube, Ohio; flattened cylinder expanded in the middle; metamorphic slate; perfect, *rare*. $3\frac{3}{4} \times 1\frac{3}{4}$.
- 250 252 Tube, Holmes Co., O.; nearly ovate, with one side flattened; perforation $\frac{1}{2}$ inch in diameter; metamorphic slate; very fine and *rare*. $3\frac{1}{4} \times 2$.
- 250 253 Boat-shaped ornament, Seneca Co., O.; symmetrical, sides slightly expanded, ends rounded; hollowed out to a uniform thickness; two small perforations in the bottom, equidistant from the centre; ribbon slate, of beautiful workmanship; perfect and *most rare*. $3\frac{1}{4} \times 1\frac{1}{8}$.
- 250 254 Canoe-shaped object, Seneca Co., O.; perfectly finished, but not hollowed; a perforation near each end; metamorphic slate; *as fine and rare as the last*. $4\frac{3}{4} \times 1\frac{1}{2}$.
- 250 255 Banner Stone, Henry Co., O.; striped slate, nearly elliptical; very good and *very rare*. $5 \times 2\frac{1}{4}$.
- 250 256 Banner Stone, Stark Co., O.; much in the form of an old fashioned cocked hat; striped slate; perfect and *rare*. $2\frac{3}{4} \times 1\frac{1}{2}$.

- ✓ 257 Copy in wax of a unique and beautiful Banner Stone.
 $2\frac{1}{4} \times 2\frac{1}{8}$.
- ✓ 258 Fish, Henry Co., O.; this curious and unique little object is of the precise form of a fish; the head shows the eyes and nostrils; of grayish stone, and perfectly wrought; *this collection contains no rarer or finer object.*
 $5\frac{1}{8} \times \frac{3}{4}$.
- 2.25 259 Muller, Findlay Co., O.; hemispherical; of mottled greenish stone, elegantly finished and *very rare*; diameter $1\frac{5}{8}$ in., height $1\frac{1}{4}$.
- ✓ 25 260 A Petrification, Rhea Co., Tenn.; a section of the trunk of a flattened palm, sent to Mr. Spang as an Indian relic, but really a beautiful natural object. $4\frac{1}{4} \times 2\frac{7}{8}$.
- ✓ 261 Star-shaped Head of a Battle Club, Peru; ring-form, with six pointed projections, of which one is broken off, and three others are injured; granite, finely wrought; *very rare* and desirable, nothing of the kind being found except in South America; the total diameter of the star is $5\frac{1}{2}$ in., and the thickness $1\frac{1}{2}$ in.

ARROW POINTS, ETC., PACIFIC COAST.

The following-described Arrow Points from the Northwest are fully equal in quality to those in my sale of Oct. 19, 20, being from the same source. The first lots are of very extra quality, such as have never been offered at auction; the nineteen following lots are all selected on account of their fitness for jewelry purposes.

- ✓ 262 Jewelry Points; each one a gem; points of this quality find ready sale at \$1.00 each. 13 pieces.
- 30 263 Jewelry Points; nearly as fine as the last. 15 pieces.
- 7 264 Jewelry Points; mostly of jasper, small to medium size. 21 pieces.
- 11 265 Jewelry Points; chalcedony, transparent crystal, etc.; all of light color and medium size; extra fine. 12 pcs.
- 15 266 Jewelry Points; red and yellow jasper, and all of extra size, some $1\frac{1}{4}$ in. in length; it will be borne in mind that these points are usually minute, and that one over $\frac{7}{8}$ of an inch long is a rarity. 9 pieces.
- 7 267 Jewelry Points; all of light stone and medium size, and all with stems. 20 pieces.
- 9 268 Jewelry Points; jasper, all with stems and below the average size; less than $\frac{3}{4}$ inch. 24 pieces.

- 7 269 Jewelry Points; with stems; various materials, large, and of nearly uniform size. 9 pieces.
- 12 270 Jewelry Points; of various forms and materials, some with notched bases, some notched and barbed, others triangular, shield-form etc.; a few are serrated; most desirable for a collection. 24 pieces.
- 10 271 Jewelry Points; jasper, chalcedony, obsidian, etc., above medium size; superior lot. 23 pieces.
- 11 272 Jewelry Points; various forms and materials, mostly large; a very fine lot. 17 pieces.
- " 273 Jewelry Points; great variety in form and material, and an extra fine lot. 22 pieces.
- " 274 Jewelry Points, a fine selection, various sizes and materials; extra lot. 30 pieces.
- P 275 Jewelry Points; chalcedony, jasper, etc.; all very fine. 27 pieces.
- " 276 Jewelry Points; mostly of red jasper; a fine lot. 16 pcs.
- 9 277 Jewelry Points; a large variety; all fine. 20 pieces.
- 8 278 Jewelry Points; another selection of the same quality. 33 pieces.
- 19 279 Jewelry Points of obsidian; perfect and rare. 18 pcs.
- 10 280 Jewelry points; another fine selection of the same material, some of rare form. 12 pieces.

Many thousands of the arrow points from the Northwest have been purchased by me during the last two years; amongst them all I have seen but very few exceeding $1\frac{1}{4}$ inches in length, and specimens of the size of the eight following lots are almost unknown to me; certainly not more than one similar example is found in a thousand. All that follow are designated as arrow points merely, but amongst them will be found many fine examples; and, as regards material, some of the very finest. It should be said that those of large size are of the same beautiful material as the smaller.

- 15 281 Arrow Points; broad, barbed, very large, $1\frac{1}{2}$ in. 2 pcs.
- 15 282 Arrow Points; barbed, with hollow base; large, $1\frac{3}{8}$ in. 3 pieces.
- 6 283 Arrow Points, large: a variety in form; one of chalcedony, and others of beautiful material; the largest 2 inches, the shortest $1\frac{5}{8}$ inches; a very uncommon lot, all fine. 6 pieces.
- " 284 Arrow Points; another lot, fully equal to the last in quality, but a size smaller; average $1\frac{1}{4}$ inch. 6 pcs.
- 7 285 Arrow Points; equal to the last. 6 pieces.

- 6 286 Arrow Points; large and broad; one of chalcedony, hollowed base and irregular form, most rare; one parallel sides, hollow base, corner broken, as rare as the last; $1\frac{5}{8}$ inches. 2 pieces.
- // 287 Arrow Points, leaf-shaped; a very rare form, and of unusual size; $1\frac{5}{8}$ inches. 3 pieces.
- // 288 Arrow Points; a similar selection; will average a little smaller; a beautiful and rare lot. 7 pieces.
- // 289 Arrow Points; a selection, all of large size, several are serrated; a particularly desirable lot. 10 pieces.
- 22 290 Arrow Points; a lot selected for singularity of form, all being slender, and much elongated, one $1\frac{3}{4}$ inches long; the selection comprises war points, as well as the barbed, stemmed, serrated and other varieties, and all are of very fine material; no more desirable lot in the sale. 12 pieces.
- // 291 Arrow Points; a similar selection of the same general character; equally fine and remarkable. 16 pieces.
- 4 292 Arrow Points; a fine selection; a great variety of forms, some of which are most remarkable. 20 pieces.
- // 293 Arrow Points; a similar selection, and quite as good. 20 pieces.
- " 294 Arrow Points; another lot of the same class, chalcedony, jasper, etc. 20 pieces.
- ✓ 295 Arrow Points; still another lot of the same general class; equally good. 20 pieces.
- 4 296 Arrow Points; barbed and stemmed, some serrated; a fine lot. 19 pieces.
- // 297 Arrow Points; another selection, average above medium size, jasper, etc.; all very fine. 21 pieces.
- // 298 Arrow Points, a similar selection, equally fine. 22 pcs.
- // 299 Arrow Points; another lot, equal to the last. 29 pieces.
- 4 1/2 300 Arrow Points; chalcedony, agate, jasper, obsidian, etc.; fine lot, 24 pieces.
- // 301 Arrow Points; a similar selection; one of most remarkable form. 24 pieces.
- // 302 Arrow Points; various forms; all serrated and fine. 14 pieces.
- 4 303 Arrow Points; mostly of large size; serrated, barbed, etc. 18 pieces.
- // 304 Arrow Points; similar selection, but smaller. 24 pcs.
- // 305 Arrow Points; another similar lot. 25 pieces.
- // 306 Arrow Points; another similar lot. 25 pieces.
- // 307 Arrow Points; chalcedony; all fine. 25 pieces.

- 4 308 Arrow Points; all dark material, some obsidian. 20 pcs.
- 4 1/2 309 Arrow Points; all of the war point form, some with hollowed bases. 12 pieces.
- 4 310 Arrow Points; mostly of extra fine material, like the jewelry points. 9 pieces.
- 4 311 Arrow Points; a good selection; red jasper, etc. 20 pcs.
- 4 312 Arrow Points; irregular forms. 31 pieces.
- 4 313 Arrow Points; obsidian, etc.; some above the average size; a good lot. 40 pieces.
- 4 314 Arrow Points; some very fine, some large; a good lot. 27 pieces.
- 4 315 Arrow Points; obsidian, etc., various forms; a nice lot. 25 pieces.
- 4 316 Arrow Points; obsidian, etc., one very large and fine; all good. 20 pieces.
- 4 317 Arrow Points; obsidian, jasper, etc., one extra large; a good lot. 25 pieces.
- 4 318 Arrow Points; a similar lot; equally good. 25 pcs.
- 4 319 Arrow Points; another lot; some extra. 21 pieces.
- 2 1/2 320 Arrow Points; a fair lot, some defective. 33 pieces.
- 4 321 Arrow Points; all fine, some scarce forms. 25 pieces.
- 322 Arrow Points; a similar lot; mostly fine. 17 pieces.

PIPES.

- 323 Stone Pipe, N. C.; bowl round, stem octagonal; neatly carved and perfect; old but probably not prehistoric. $2\frac{3}{4} \times 1\frac{1}{4}$.
- 324 Pipe, Iron; much in the form of the last; near the top a circle of ornamental pellets, above which another circle of ornaments; received with Indian relics from Mo.; it is of course neither Indian nor prehistoric, but it is truly a most curious pipe. $2\frac{3}{8} \times 2\frac{3}{8}$.
- 325 Pipe from the Ralston Col., found in an ancient Indian graveyard at Lancaster, Pa.; in form approaching that of the ordinary clay pipe; the stem is $7\frac{1}{2}$ inches long; at the mouthpiece $\frac{3}{8}$ inch in diameter, regularly expanding to $\frac{1}{4}$ inch and from a graceful curve upwards it is enlarged, forming the bowl which rises to a height of 2 inches, with a diameter at the top of $1\frac{1}{4}$ in.; facing the smoker is a well carved Indian face; perfect and one of the most desirable pipes I have ever met with.

- 326 Pipe, catlinite; in form a tomahawk, the head much elongated, making a bowl $2\frac{5}{8}$ in. in height; the stem a perforated handle; sold with the pipe as two pieces; the pipe is symmetrical, ornamented with carving, and a very fine piece of work; has been broken but most neatly mended. $7\frac{3}{8} \times 4$. The stem is about 1 inch diameter, and 17 in. long. 2 pieces.
- 327 Pipe of catlinite, received from Mo.; old and of unusual form; the base or stem $3\frac{1}{4}$ in. long; the bowl, which is ornamented with deeply incised spiral lines, is $2\frac{3}{4}$ in. high.
- 25 328 Pipe of the workmanship of the Northwestern Islands; *a cast*. $3\frac{1}{2} \times 2\frac{1}{2}$.
- 15 329 Pipe; in form the head of a crow with the beak open, the back carved in the form of a death's head; *fine copy*; the original found in O. $3\frac{1}{2} \times 2\frac{3}{4}$.
- 330 Pipe; large square base, surmounted by an octagonal bowl, on four sides of which are carved Indian faces, nose prominent, the eyes and mouth marked by red pigment; perfect, modern. 5×3 .
- 331 Pipe of soapstone; somewhat of the typical form of the pipe of the mound builder; a long, oval base or stem, from the top of which rises an urn-shaped bowl; this pipe was brought to me as a genuine Indian find; its excellent condition and some other peculiarities led me to doubt its genuineness, and subsequently the man who sold it to me confessed that it was of recent manufacture, but disclaimed any knowledge of the fact at the time of our first interview; it is a most deceptive piece of work. $6\frac{1}{4} \times 2\frac{1}{4}$.
- 25 332 Metallic, Turkish Opium Pipe; perfect. $3\frac{1}{2} \times 1$.
- J.F. 333 Pipe Stem; fits No. 330; this stem is most elaborate, upwards of 3 feet in length, flat, about 2 in. wide at the base, gradually tapering toward the mouthpiece to $1\frac{1}{2}$ inch; it is ornamented with 28 longitudinal perforations arranged in four series, and is about the finest calumet stem I have ever met with.
- 75 334 Pipe Stem; a flattened hexagon, can be used with No. 327. 20×1 .
- 50 335 Pipe Stem; carved to represent three sticks laid together and twisted, can be used with No. 324. 22×1 .
- 92 336 Pipe Stem; can be fitted to 323; flattened hexagon. $6 \times 1\frac{1}{4}$.
- 10 337 Pipe Stem; a perforated twig with the bark on. 18 in. long.

DISCOIDAL STONES AND DISCS.

- 4.75 338 Discoidal, Western N. C.; bi-concave, fine; dia. $2\frac{3}{4}$; thickness $1\frac{3}{4}$.
2. 339 Discoidal, quartzite, bi-concave, Clay Co., N. C. $3\frac{1}{2} \times 1\frac{3}{4}$.
- 75 340 Disc, double convex, Red Oak Island, Lake Co., Ind.; fine. $4\frac{1}{2} \times 1\frac{1}{2}$.
- 50 341 Disc, surfaces nearly flat, Clay Co., N. C.; fine. $3\frac{1}{2} \times 1$.
- 60 342 Disc, Swaine Co., N. C.; bung-shape, double convex; of light stone; fine. $3\frac{1}{4} \times 1\frac{1}{4}$.
- " 343 Disc., N. C.; bung-shape, plano-convex. $3 \times 1\frac{1}{2}$.
- 10 344 Disc, N. C.; light granite; edge a little broken. $3\frac{1}{4} \times 2$.
- 55 345 Disc, Clay Co., N. C.; bung-shape, plano-convex, ferruginous quartz. $2\frac{3}{4} \times 1\frac{1}{2}$.
- 60 346 Disc, N.C.; granite, double convex; very fine. $3\frac{1}{4} \times 1\frac{1}{4}$.
- " 347 Disc, Clay Co., N. C.; chalcedony; double convex, bung-shape; very fine and rare. $2\frac{3}{4} \times 1\frac{1}{2}$.
1. 348 Discoidal, Tenn.; double-concave; depressions shallow; good. $2\frac{3}{4} \times 1\frac{1}{2}$.
- 80 349 Disc, N.C.; cheese-shape; a *rare form*; fine. $2\frac{1}{2} \times 1\frac{3}{4}$.
- 90 350 Disc, N.C.; bung-shape; faces flat; of dark material; perfect, *rare*. $2\frac{1}{2} \times 1\frac{1}{8}$.
- 60 351 Disc, Clay Co., N.C.; nearly an exact duplicate of the last. $2\frac{1}{2} \times 1\frac{1}{4}$.
- 50 352 Disc, N.C.; like the last two, but a trifle smaller. $2\frac{1}{2} \times 1\frac{1}{8}$.
- " 353 Disc, N.C.; diorite, bung-shape, plano-convex; perfect, *rare*. $2\frac{1}{2} \times 1\frac{1}{4}$.
- 55 354 Disc, N. C.; chalcedony, double-convex; beautifully wrought. $2\frac{7}{8} \times 1$.
- " 355 Disc, Ga.; dark granite, bung-shape, plano-convex; perfect. $2\frac{1}{4} \times \frac{3}{4}$.
- 1.10 356 Discoidal, Lincoln Co., Tenn.; double-concave, iron ore. $1\frac{3}{4} \times 1$.
- 30 357 Disc, dark granite, Clay Co., N.C.; double-convex. $4\frac{1}{4} \times 1\frac{3}{8}$.
- 45 358 Disc, Sterrett Mound, Blount Co., Tenn.; chalcedony, double convex; perfect. $1\frac{3}{4} \times \frac{3}{4}$.
- 15 359 Disc, Clay Co., N. C.; fine. $1\frac{1}{2} \times \frac{1}{2}$.
- " 360 Disc, Tenn.; cheese-form, double-concave. $2 \times 1\frac{1}{8}$.
- 30 361 Disc, Mo.; plano-convex; of substance closely resembling hematite. $1\frac{3}{4} \times \frac{7}{8}$.

- 55 362 Disc, Swaine Co.; N. C.; of unusual form; one surface broader than the other, and the edge rounded; slight concavity on both sides. $3\frac{3}{4} \times 2$.
- " 363 Disc, Miss.; in form like the last, but the broader face is convex; on the opposite side a small concavity. $3\frac{1}{2} \times 2\frac{1}{4}$.
- " 364 Disc or Hammer Stone, Clay Co., N. C.; slight concavity at one side. $3\frac{1}{2} \times 1\frac{1}{2}$.
- 15 365 Disc, Lehigh Valley, Pa.; thin. $3 \times \frac{1}{4}$.
- 60 366 Disc, Clay Co., N. C.; bung-shape, double-convex, quartzite or chalcedony; a little chipped, still very fine.
- 20 367 Egg-shape Stone, Rhea Co., Tenn.; very fine. $2\frac{1}{4} \times 1\frac{3}{8}$.
- 90 368 Target Stone, Ga.; egg-shape, one end slightly flattened, just enough so it may be stood upright; fine and very rare. $2\frac{1}{2} \times 1\frac{3}{4}$.
- 20 369 Stone Egg or Ball, N. C.; fine. 2.
- 35 370 Stone Egg, near Chattanooga, Tenn. 3×2 .

FLAKED IMPLEMENTS, SPADE, DISCUS, ETC.

- 30 371 Spade, edge polished, Chariton Co., Mo. $5 \times 1\frac{3}{4}$.
- 27 372 Spade, leaf-shaped, same locality; fine. $5\frac{1}{4} \times 2\frac{1}{8}$.
- 30 373 Spade, Chariton Co., Mo.; fine; $6\frac{1}{4} \times 2$.
- 45 374 Spade, Chariton Co., Mo.; end highly polished; $6\frac{1}{2} \times 2$.
- 40 375 Spade, Chariton Co., Mo.; perfectly symmetrical; edge polished; a very handsome implement. $5 \times 1\frac{7}{8}$.
- 45 376 Spade, same locality; very fine. $5 \times 1\frac{3}{4}$.
- " 377 Spade, same locality; fine, edge polished. $5 \times 1\frac{7}{8}$.
- 15 378 Spade or knife, same locality; fine. 4×2 .
- " 379 Spade, same locality; fine. $4\frac{1}{2} \times 2\frac{1}{8}$.
- 45 380 Spade, Cooper Co., Mo.; polished end, very fine. 7×2 .
- 30 381 Spades, Western; greyish quartzite, edge expanding; scarce form, fine. $6 \times 2\frac{1}{2}$.
- " 382 Spade, Cooper Co., Mo.; the top of this pretty little implement is like agate. $4\frac{1}{4} \times 2$.
- 70 383 Spade of flesh-colored stone, Cooper Co., Mo. $7\frac{1}{2} \times 2\frac{1}{4}$.
- 50 384 Turtle-back, or large Knife, Lincoln Co., Tenn. $6\frac{1}{2} \times 2\frac{1}{4} \times 1\frac{1}{2}$.
- 40 385 Immense Spear Head, Mo.; fine and rare. $5 \times 2\frac{1}{4}$, $\frac{3}{4}$ in. thick.

- 16 386 Spade, Mo. : $5\frac{3}{4} \times 2$.
 " 387 Spade, Mo. ; nearly oblong ; fine. $4 \times 1\frac{3}{4}$.
 " 388 Spade, or rude Spear Head, Western. $5\frac{1}{2} \times 1\frac{1}{2}$.
 15 389 Spade, Mo. ; same form as 387 ; point polished. $4\frac{1}{2} \times 1\frac{3}{4}$.
 " 390 Spade, Mo. ; leaf-shaped, broad. $5\frac{1}{4} \times 2\frac{1}{2}$.
 " 391 Spade, O. $5\frac{3}{4} \times 1\frac{3}{4}$.
 70 392 Spade, Mo. $4\frac{1}{4} \times 1\frac{1}{4}$.
 15 393 Spade, Mo. $6 \times 2\frac{1}{4}$.
 1 — 394 Discus, Schuyler Co., Ill. ; oval, fine and *rare* ; long diameter $6\frac{1}{4}$ in.
 1.10 395 Discus, found in a cache with the last ; of dark flint, symmetrical and very fine. $5\frac{1}{2} \times 4\frac{3}{4}$.
 P 396 Discus, from the same cache as the last ; same material. $5\frac{1}{2} \times 4\frac{3}{4}$.
 " 397 Discus, from the same source ; dark flint. $6\frac{1}{4} \times 4\frac{1}{2}$.

BEADS.

- J 398 Beads, shell, E. Tenn. ; from a mound near Little Pigeon River ; all of large size, exceeding $\frac{1}{2}$ in. in length ; perfect and *rare*. 15 pieces.

All of the following lots to 415 inclusive are from the same find as the last ; all of shell, the columellae of the Bysicon Strombus and other large shells ; they are all *rare*, especially in such fine condition.

- J 399 Beads, shell, globular, flattened ; very fine. 20 pieces.
 " 400 Beads ; like the last, but more flattened ; all fine. 29 pieces.
 J 401 Beads ; of large size ; show the channel at one side ; fine. 8 pieces.
 " 402 Beads ; all large ; fine lot. 15 pieces.
 " 403 Beads ; large, and an extra lot. 15 pieces.
 J 404 Beads ; globular, flattened ; all white and very fine. 16 pieces.
 4 405 Beads ; a selection, same quality as the last, rather larger. 16 pieces.
 V 406 Beads ; of large size, coated ; fine. 16 pcs.
 1 407 Beads ; small, but all of excellent quality. 24 pcs.
 V 408 Beads ; larger than the last, nearly all show the peculiar cinnamon-color coating. 20 pieces.
 2 409 Beads ; large and small, various forms, some elongated ; fine lot. 23 pcs.

- 2 410 Beads; of uniform, more than medium size; fine selection. 20 pcs.
 4 411 Beads; below medium size; fine selection. 20 pcs.
 / 412 Beads; nearly all flattened, and all fine. 20 pcs.
 3 1/2 413 Beads; a fine selection, showing the coating. 20 pcs.
 / 414 Beads; variety in form, some elongated; all fine. 21 pieces.
 / 415 Beads; large and small, variety in form; good lot. 33 pieces.
 20 416 Bead; stone, elongated, cylindrical; from the same mound as the preceding; length $1\frac{1}{2}$ inches.
 4 417 Bead, probably of glass, but very ancient; from Indian grave in N. C.; dia. over $\frac{1}{2}$ in.
 4 418 Bead, stone, N. C.; dia. $1\frac{5}{8}$.
 25 419 Bead, of Amber, from Prelsto, Norway, Europe; fine and *extremely rare*; diam. $1\frac{5}{8}$.
 5 420 Beads, stone, S. C.; unfinished, lack the perforation; very fine. 2 pieces.
 / 421 Beads; stone or shell, flattened, disc form; dia. $\frac{3}{4}$ in.; perfect. 2 pieces.
 4 422 Beads, each a small perforated shell, E. Tenn.; fine. 52 pieces.
 5 423 Bead, stone, Western N. Y.; cylindrical, one end broken. $\frac{3}{4}$ in.
 20 424 Bead, of glass or crystal; seems to be cut with eleven facets; from an Indian grave in N. C.; dia. $\frac{5}{8}$ in.
 1-30 425 String of Beads, from an Indian grave in Pa.; various colors, all very fine, glass. 136 pieces.
 / 426 Beads, glass, shell, etc.; all from mounds and Indian graves; fine. 19 pieces.
 4 427 Beads, E. Tenn.; the olivia shell, perforated. 9 pieces.
 20 428 Bead, stone, Western N. Y. . fine; length $\frac{3}{4}$ in.

THE STONE AGE ABROAD.

All the following objects to No. 467 inclusive are of true flint.

- 1.25 429 Celt, Jutland; paleolithic, square head, carved corners, and fine chipped edge; a very fine specimen. $3\frac{1}{2}$ x 2.
 1.20 430 Gouge, Sealand; paleolithic, square head, expanding edge, carved corners; perfect. $3\frac{3}{4}$ x 2.

- 60 431 Celt, Jutland; both sides brought nearly to a cutting edge, and both flats show the natural surface of the flint; a *most rare form*; perfect. $4\frac{1}{2} \times 1\frac{7}{8}$.
- 1.10 432 Celt, Storehedding, Sealand; paleolithic, of great size; edge at top and bottom, corners carved; a natural perforation nearly $\frac{1}{2}$ in. in dia. extends diagonally through this piece; a rare peculiarity; perfect. $9\frac{3}{4} \times 3\frac{1}{8}$.
- fo 433 Celt, Funen; neolithic, thick, square head, polished flats; perfect. $6\frac{1}{2} \times 2\frac{1}{8}$.
2. — 434 Celt, Germany; edge accidentally chipped; flats polished. $6\frac{1}{2} \times 2\frac{1}{4}$.
- 60 435 Broad, thin Celt, polished, Denmark; perfect. $4\frac{1}{2} \times 2\frac{1}{2}$.
- 436 Celt, Sealand, sides and flats polished, top thin; perfect. $4\frac{3}{8} \times 1\frac{3}{4}$.
- fo 437 Celt, Denmark; sides and flats finely polished; originally large but a new edge has been formed and polished, showing a decided bevel on both flats; head chipped; very fine. $6 \times 2\frac{3}{4}$.
- fo 438 Celt, Assens, Funen; square head, polished flats; new edge formed by chipping; perfect. $4\frac{1}{2} \times 1\frac{3}{4}$.
- fo 439 Celt, Jutland; dark flint, top oblong, edges expanding; perfect. $4\frac{1}{2} \times 2$.
- fo 440 Celt, Sweden; polished, perfect. $3\frac{3}{4} \times 1\frac{1}{4}$.
- 60 441 Celt, Assens, Funen; a nearly cutting edge extends entirely around this implement; of dark flint and very fine. $3\frac{1}{4} \times 1\frac{3}{4}$.
- fo 442 Celt, plowed up in Jutland; polished flats, expanding edge. $3\frac{3}{4} \times 1\frac{3}{4}$.
- 60 443 Celt, Sealand; polished flats and sides, oblong head; perfect. $3\frac{3}{4} \times 1\frac{3}{4}$.
- fo 444 Celt, Bogense, Funen; polished, edge broadly expanded. $3\frac{3}{4} \times 1\frac{7}{8}$.
- 2.55 445 Narrow Chisel, Germany; top chipped, otherwise perfect. $6 \times \frac{3}{4}$.
- fo 446 Great Arrow Point, Sealand; leaf-shape. $4\frac{1}{8} \times 1\frac{1}{8}$.

It will be borne in mind by collectors that Arrow Points are amongst the rarest of European prehistoric remains, far less common than Celts, Gouges, or even the large chipped objects, Lance Heads, Spear Heads and Daggers.

- fo 447 Great Arrow Point, Funen; dagger-form; perfect. $3\frac{1}{2} \times 1$.
- fo 448 Great Arrow Point, Denmark; leaf-shape, with square base; perfect. $3\frac{1}{8} \times 1$.

- f 449 Great Arrow Point, Roeskilde, Sealand; elliptical; perfect. $3\frac{7}{8} \times \frac{7}{8}$.
 90 450 Triangular Arrow Point, plowed up in Jutland; perfect. $1\frac{3}{8} \times \frac{7}{8}$.
 f 451 Arrow Point, County Down, Ireland; barbed, one barb a trifle broken; *exceedingly rare*. $1\frac{3}{8} \times \frac{7}{8}$.
 60 452 Arrow Point, plowed up at Bogense, Funen; hollow base; of beautiful clouded flint; fine and *rare*. $1\frac{7}{8} \times \frac{5}{8}$.
 4. — 453 Lance Head: serrated on both edges; a *rare* peculiarity; plowed up in Jutland; perfect. $7\frac{3}{8} \times 1\frac{1}{4}$.
 " 454 Lance Head or Dagger; Denmark; thin and flat, broad in the middle, contracting towards the base; very fine. $7\frac{3}{4} \times 1\frac{3}{4}$.
 7.50 455 Dagger with short well-formed handle; Denmark; perfect, *rare*. $5\frac{1}{2} \times 1\frac{1}{2}$.
 " 456 Lance or Spear Head, Germany; narrow, thin and very fine. $6\frac{1}{2} \times 1$.
 1. — 457 Spear Head, Germany; point broken. $5\frac{3}{4} \times 1\frac{1}{4}$.
 60 458 Oyster Knife, Nestved, Jutland; a *rare form*; point broken. $3\frac{1}{2} \times 1\frac{1}{2}$.
 2.60 459 Semi Lunar Knife or Saw, Denmark; the straight edge finely serrated; perfect and *rare*. $5\frac{1}{4} \times 1\frac{5}{8}$.
 2. — 460 Semi Lunar Knife, Sealand; fine. $4\frac{1}{4} \times 1\frac{3}{8}$.
 2.25 461 Semi Lunar Knife, plowed up at Fredericia, Jutland; very fine. $4\frac{1}{4} \times 1\frac{3}{4}$.
 2.10 462 Elliptical Knife Saw, Sealand; one a sharp cutting edge, the other a sharp saw-tooth edge; fine, *rare*. $5\frac{1}{2} \times 1\frac{1}{2}$.
 20 463 Flint Core from which knives have been chipped, Island Anholt; fine. $3\frac{1}{8} \times 1\frac{1}{4}$.
 " 464 Flint Core, edges rounded by disintegration; shows the weathering of ages. $2\frac{1}{2} \times \frac{3}{4}$.
 40 465 Flaked Flint Knife, Germany. $4 \times 1\frac{1}{4}$.
 " 466 Flaked Flint Knife, Skive, Jutland. $4\frac{5}{8} \times 1\frac{5}{8}$.
 5. — 467 Fish Spear Head of bone; flat, with polished flint flakes inserted in the sides, five in each edge, pointed at both ends; perfect and *extremely rare*; archaeologists state that not above six or eight of these objects are known; from Sweden; length 6 inches.
 2. — 468 Celt, Jutland; this Celt is of fine dark granite, the flats rounded, the sides square, the head oblong, sides expanding towards the edge; Scandinavian celts of granite are *much rarer* than of those of flint; beautifully wrought; perfect, of large size. $10\frac{1}{2} \times 3\frac{3}{8}$.

- 30 469 Celt; granite, North of Europe; originally very large but head broken off; fine, and shows evidence of great antiquity. $4\frac{3}{4} \times 3\frac{3}{4}$.
- 50 470 Chipping Stone; flattened globe with deep depressions on each side; plowed up at Skive in Jutland; fine. $2\frac{1}{4} \times 1\frac{1}{2}$.
- 30 471 Spin Stone, Denmark; circular, perforated. $1\frac{1}{2} \times \frac{3}{4}$.
- 50 472 Spin Stone or Bead, Odense, Funen; the upper smaller dia., has on its face an incised circle; the lower surface ornamented with radiating lines. $1 \times \frac{1}{2}$.
- 2 473 Spin Stone or Bead; hemispherical, Denmark; perfect. $1\frac{1}{4} \times \frac{5}{8}$.
- 20 474 Flat Spin Stone, Denmark. $1\frac{1}{8} \times \frac{1}{2}$.
- 25 475 Flat Spin Stone, Denmark; perfect. $1\frac{1}{4} \times \frac{1}{2}$.
- 1.30 476 Hammer, Nyborg, Funen; fine form; curving inward; granite, head a little broken. $5\frac{1}{4} \times 2$.
1. 477 Small Sized Hammer Axe, Denmark; thin and broad; a *rare form*. $4\frac{1}{2} \times 2\frac{1}{8}$.
- 2.25 478 Hammer Axe of dark granite, Denmark; very fine. $4\frac{3}{4} \times 2\frac{3}{8}$.
1. 479 Small Celt, England; very scarce. $3 \times 1\frac{1}{2}$.
- 1.05 480 Celt of very hard greenish stone, England; *rare*. $1\frac{3}{4} \times 3\frac{1}{4}$.
1. 481 Flint Axe, Porton, France; supposed to be amongst the earliest of flint implements, *rare*. $3\frac{1}{4} \times 2\frac{3}{4}$.
1. 482 Flint Axe, France; like the last. 3×2 .
- 45 483 Flint Axe; same. $2\frac{3}{4} \times 2\frac{1}{4}$.
- " 484 Flint Axe; same. $3 \times 2\frac{1}{8}$.
- 7.50 485 Celt of jadite, Nimes, France; a *rare* and beautiful little implement. $1\frac{3}{8} \times 1\frac{1}{4}$.
- 50 486 Card Receiver (modern), Japan; agalmatolite, ornamented with carvings; stone of beautiful color, edge a little broken. $6\frac{3}{4} \times 6$.
- 55 487 Shoe (modern), Japan; neatly carved from grey agalmatolite. $3\frac{1}{2} \times 1\frac{1}{2}$.
- 12 488 Perforated Carved Stone of uncertain use; modern origin and material like the last two. $2\frac{1}{2} \times \frac{3}{4}$.
- 25 489 Hatchet of diorite, Hawaii; an uncommon form; *very rare*. $2\frac{1}{2} \times 1\frac{1}{4}$.
- 60 490 Slung Shot of white quartzite, Marquesas Islands; egg-shape, perforated through one end; perfectly symmetrical, finely finished; *very rare*. $2\frac{3}{4} \times 1\frac{7}{8}$.

ARROW POINTS FROM TENNESSEE.

The following-described lots of arrow points are from the vicinity of Nashville; many are defective, but in the lots will be found many good specimens; for the trade of a retail dealer or for a collector fond of selecting varieties of forms, they are very desirable.

- 2 491 Arrow Points; a good lot, many nearly fine. 100 pcs.
- 492 Arrow Points; some larger than in the last lot, equally good. 100 pieces.
- 493 Arrow Points; average larger than the preceding; equally good. 100 pieces.
- 494 Arrow Points; of good quality but of smaller average size. 100 pieces.
- 495 Arrow Points; same quality and size. 100 pieces.
- 496 Arrow Points; as good as the last; same size. 100 pcs.
- 497 Arrow Points; aver. smaller, but equally good. 135 pcs.
- 498 Arrow Points; a very good lot. 100 pieces.
- 499 Arrow Points; a fair lot. 100 pieces.
- 500 Arrow Points; same quality. 100 pieces.
- 501 Arrow Points; same quality. 100 pieces.



IN ANSWER

To inquiries addressed to me daily as to the prices of prehistoric Relics, Arrow Points, Axes, etc., and what I am willing to pay for them, and to the requests as often made for priced catalogues of what I have for sale, I will say generally, the price of such objects varies so much on account of quality, material, size, location, and many other circumstances, that it is impossible to fix a price without seeing them. I am always ready to buy and to pay liberally, but in all cases the goods must be sent to me as a preliminary to a purchase. The cost of sending small parcels by express, smaller ones by mail, and large collections as freight is inconsiderable, and such consignments I am at all times ready to examine and purchase, or will return the same promptly if my offer of purchase is not acceptable.

I issue no catalogues of the objects that I have for sale; it would be quite impracticable to do so, as my stock is rapidly changing, and these goods are of course quite unlike ordinary merchandise, one lot of which is exactly like another lot. It is not a very unusual thing for a thousand dollars' worth of my stock in this line to be removed in a single day, and not one object could be exactly duplicated. Collectors who desire to know what such things are worth, are advised to order one or more catalogues of auction sales; they are priced throughout, and give a better idea of actual values than can be had in any other way.

I append a list with prices.

Clogston Collection,75
Jenison Collection,75
Woolley Collection,50
Ralston Collection,75
Spang Collection,75
This Catalogue,50

All are published on extra heavy tinted paper, especially for collectors, and the number of each printed is limited to fifty copies.

Correspondents who may favor me with orders for this sale, are respectfully requested to write at as early a day as practicable, and to address their letters as below from now until December 9, from that date until the sale is over, care Messrs. Bangs & Co., 339 and 341 Broadway, New York City.

W. ELLIOT WOODWARD,

258 Dudley St., Roxbury, (Boston,) Mass.

American Numismatic Society



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